

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
**AND REVOCATION OF PRIOR POWERS**

Honorable Commissioner of  
Patent and Trademarks  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

As Assignee of record of the entire right, title, and interest, the undersigned corporation **SAMSUNG ELECTRONICS CO., LTD.**, having a place of business at 416, Maetan-dong, Yeongtong-gu, Suwon-si, Gyeonggi-do, 443-742, Republic of Korea, hereby revokes all previous powers of attorney and appoints the attorneys and/or agents of **Staas & Halsey LLP**, under USPTO Customer No. **21171**, to prosecute and transact all business in the U.S. Patent and Trademark Office for the following listed patent applications:

<b>Docket No.</b>	<b>Serial No.</b>	<b>Filing Date</b>	<b>Recordation Date</b>	<b>Reel</b>	<b>Frame</b>
1901.1335	11/072,492	3/7/2005	3/7/2005	16361	11
1901.1336	11/059,354	2/17/2005	2/17/2005	16286	674
1901.1337	11/066,428	2/28/2005	2/28/2005	16336	222
1901.1338	11/120,983	5/4/2005	5/4/2005	16533	752
1901.1339	11/100,416	4/7/2005	4/7/2005	16451	594
1901.1340	11/125,076	5/10/2005	5/10/2005	16545	817
1901.1341	11/401,223	4/11/2006	4/11/2006	17782	757
1901.1362	10/717,621	11/21/2003	2/11/2003	13753	110
1901.1363	10/366,348	2/14/2003	2/14/2003	13777	363
1901.1364	11/020,223	12/27/2004	12/27/2004	16125	551
1901.1365D	11/717,197	3/13/2007	1/17/2003	13679	587
1901.1366	10/305,070	11/27/2002	1/17/2003	14225	100
1901.1367	10/305,123	11/27/2002	2/11/2003	13753	110
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1905.1017	11/353,955	2/15/2006	3/22/2006	17715	344
1907.1268	11/761,875	6/12/2007	6/13/2007	1945.3	408
1907.1269	11/768,412	6/26/2007	9/12/2007	19841	605
1907.1270	11/762,128	6/13/2007	6/13/2007	19453	396
1907.1271	11/770,835	6/29/2007	6/27/2007	19528	73
1907.1272	11/873,042	10/16/2007	4/4/2008	20789	704
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1907.1274	11/872,280	10/15/2007	12/27/2007	20331	807
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1907.1277	11/873,014	10/16/2007	10/17/2007	20013	376
1907.1278	11/837,894	8/13/2007	8/15/2007	19732	470
1907.1279	11/837,879	8/13/2007	8/15/2007	19732	794
1907.1280	11/946,203	11/28/2007	11/29/2007	20209	315
1907.1281	11/939,210	11/13/2007	11/14/2007	20149	80
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Docket No.	Serial No.	Filing Date	Recordation Date	Reel	Frame
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1911.1188	11/591,461	11/2/2006	10/2/2006	18502	594
1911.1189	11/652,051	1/11/2007	1/11/2007	18798	637
1911.1190	11/923,971	10/25/2007	10/26/2007	20053	21
1911.1191	11/968,887	1/3/2008	1/4/2008	20350	370
1911.1192	11/877,884	10/24/2007	10/25/2007	20049	679
1911.1193	11/968,892	1/3/2008	1/4/2008	20350	368
1911.1194	12/017,395	1/22/2008	1/23/2008	20428	986
1911.1195	11/966,218	12/28/2007	1/3/2008	20341	182
1911.1197	12/029,016	2/11/2008	2/13/2008	20538	860
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1911.1199	12/045,799	3/11/2008	3/14/2008	20677	718
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1911.1201	12/047,541	3/13/2008	3/14/2008	20677	723
1911.1202	12/056,841	3/27/2008	3/31/2008	20756	898
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1911.1204	12/061,921	4/3/2008	4/8/2008	20790	164
1911.1205	12/166,676	7/2/2008	7/8/2008	21251	656
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Docket No.	Serial No.	Filing Date	Recordation Date	Reel	Frame
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1905.1019	10/373,735	2/27/2003	2/27/2003	13830	121
1905.1019D	11/655,915	1/22/2007	2/27/2003	13830	121

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USPTO Customer No. **21171**

# ASSIGNEE CERTIFICATION

The undersigned Assignee further status that the registered attorneys and/or agents, indentified in the new power of attorney above, are empowered and authorized to sign the statement(s) and certification(s) under 37 C.F.R. § 3.73(b) on behalf of the Assignee. Attached to this power is/are "CERTIFICATE(S) UNDER 37 C.F.R. §3.73(b)".

Date: 5/18/2009  
Month-Day-Year Format

Signature:   
Name: Dr. Kyungok Wun-Kim

Title: Group Leader  
Intellectual Property Prosecution Group  
Samsung Electronics Co.  
(Samsung Advanced Institute of Technology)